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मानक

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Mazdoor Kisan Shakti Sangathan

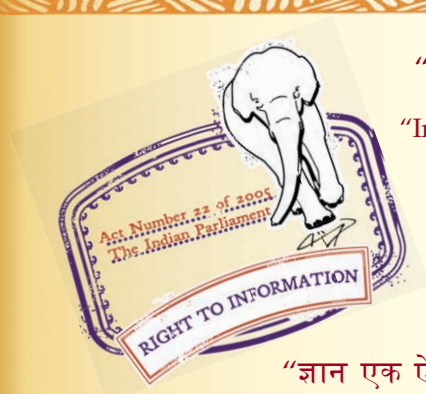
“The Right to Information, The Right to Live”

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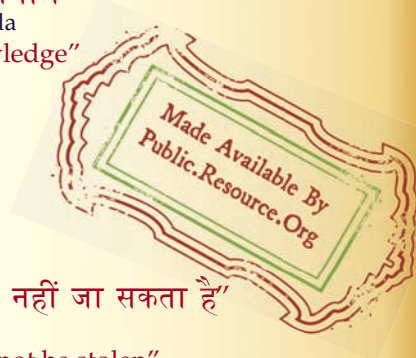
IS 9388-2 (1979): Equal Elbow Body for Oil-hydraulic Couplings, Part 2: Made from Bar Stock [PGD 17: Fluid Power Fittings, Hoses and Hose Assemblies]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard

(Reaffirmed 2002)

SPECIFICATION FOR EQUAL ELBOW BODY FOR OIL-HYDRAULIC COUPLINGS

PART II MADE FROM BAR STOCK

- 1. Scope** — Specifies the dimensions, material and other requirements for equal elbow body made from bar stock for use in oil-hydraulic systems.
- 2. Dimensions** — Shall be as given in Table 1.
- 3. Material** — Steel conforming to Designation 14C 14S14 of IS : 1570 (Part III)-1979 ' Schedules for wrought steels: Part III Carbon and carbon-manganese free cutting steels (*first revision*) ' or any other steel as agreed to between the user and the manufacturer.
- 4. Surface Protection** — Elbow bodies shall be phosphated to class A2 of IS : 3618-1966 ' Specification for phosphate treatment of iron and steel for protection against corrosion ', unless otherwise agreed to between the user and the manufacturer.
- 5. General Requirements**
 - 5.1** These elbow bodies are intended for assembly in accordance with Type C of IS : 9411-1980 ' Specification for elbow coupling assemblies for oil-hydraulic systems '.
 - 5.2** For details not covered in this standard, reference shall be made to IS : 8805 (Part I)-1978 ' General requirements for ferrule type couplings used in oil-hydraulic systems: Part I General '.
- 6. Designation** — An equal elbow body of light series L for outside diameter of tube 6 mm and conforming to this standard shall be designated as:

Equal Elbow Body L6 IS : 9388 (Part II)

EXPLANATORY NOTE

This standard covers equal elbow bodies made from bar stock only. The elbow bodies made from forgings are covered in IS : 9388 (Part I)-1979 ' Specification for equal elbow body for oil-hydraulic couplings: Part I Made from forgings '.

In the preparation of this standard, assistance has been derived from the following standards:

BS 4368 Specification for carbon and stainless steel compression couplings for tubes: Part 1: 1972 Heavy series (metric), and Part 3: 1974 Light series (metric).

DIN 3905-1965 Non-soldered taper-bush type pipe unions, elbow for use with union nut.

Adopted 19 December 1979

© October 1980, ISI

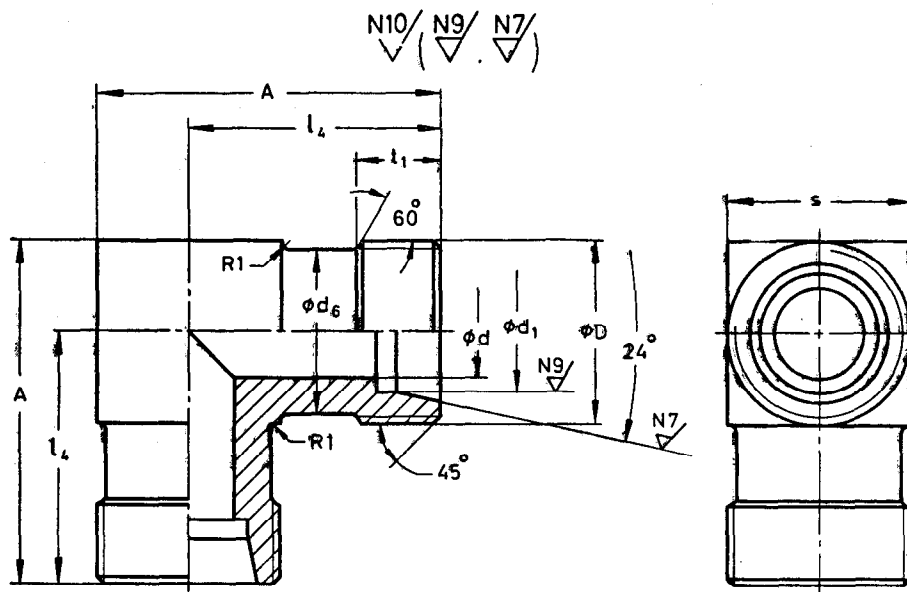
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TABLE 1 DIMENSIONS FOR EQUAL ELBOW BODY MADE FROM BAR STOCK

(Clause 2)

All dimensions in millimetres.



Series	Outside Dia of Tube	D*	d	d ₁ B11	d ₆ h13	t ₁ ± 0.2	l ₄ ± 0.3	A + 0.5	s†
Light L	4	M8 × 1	3	4	6.4	6	15	19.0	10
	6	M12 × 1.5	4	6	9.7	7	19	25.0	12
	8	M14 × 1.5	6	8	11.7	8	21	28.0	14
	10	M16 × 1.5	8	10	13.7	8	22	30.0	17
	12	M18 × 1.5	10	12	15.7	9	24	33.0	19
	15	M22 × 1.5	12	15	19.7	10	28	39.0	22
	18	M26 × 1.5	15	18	23.7	10	31	44.0	27
	22	M30 × 2	19	22	27.0	12	35	50.0	30
	28	M36 × 2	24	28	33.0	12	38	56.0	36
	35	M45 × 2	30	35	42.0	14	45	68.5	46
Heavy H	42	M52 × 2	36	42	49.0	14	51	78.0	55
	6	M14 × 1.5	4	6	11.7	10	23	30.0	14
	8	M16 × 1.5	5	8	13.7	10	24	32.0	17
	10	M18 × 1.5	7	10	15.7	10	25	34.0	19
	12	M20 × 1.5	8	12	17.7	10	29	39.0	22
	14	M22 × 1.5	10	14	19.7	11	30	41.0	22
	16	M24 × 1.5	12	16	21.7	11	33	45.0	24
	20	M30 × 2	16	20	27.0	13	37	52.0	30
	25	M36 × 2	20	25	33.0	16	42	60.0	36
	30	M42 × 2	25	30	39.0	18	49	71.0	46
	38	M52 × 2	32	38	49.0	19	57	84.0	55

*Threads conforming to IS : 4218-1976 'ISO metric screw threads', class 6g.

†Tolerance on s : h13 for s up to 32 mm.
h14 for s above 32 mm.